

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
l21 and (internet or www or network)	29

**Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** **Monday, April 28, 2003** [Printable Copy](#) [Create Case](#)

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result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L22</u>	l21 and (internet or www or network)	29	<u>L22</u>
<u>L21</u>	L20 and client and server	30	<u>L21</u>
<u>L20</u>	(preprint or prepress) same format	104	<u>L20</u>
<u>L19</u>	l6 and l16	3	<u>L19</u>
<u>L18</u>	l7 and l16	2	<u>L18</u>
<u>L17</u>	l12 and l16	2	<u>L17</u>
<u>L16</u>	L15 and (pre-press or prepress or pre-print or preprint)	14	<u>L16</u>
<u>L15</u>	(wysiwyg or "what you see is what you get")	790	<u>L15</u>
<u>L14</u>	(((345/604)!.CCLS.) )	114	<u>L14</u>
<u>L13</u>	(((345/603)!.CCLS.) )	161	<u>L13</u>
<u>L12</u>	(((345/\$)!.CCLS.) )	57251	<u>L12</u>
<u>L11</u>	(((707/7)!.CCLS.) )	607	<u>L11</u>
<u>L10</u>	(((707/5)!.CCLS.) )	1104	<u>L10</u>
<u>L9</u>	(((707/100)!.CCLS.) )	1511	<u>L9</u>
<u>L8</u>	(((707/9)!.CCLS.) )	691	<u>L8</u>
<u>L7</u>	(((707/\$)!.CCLS.) )	15216	<u>L7</u>
<u>L6</u>	(((715/\$)!.CCLS.) )	5861	<u>L6</u>
<u>L5</u>	(((715/517)!.CCLS.) )	247	<u>L5</u>
<u>L4</u>	(((715/530)!.CCLS.) )	466	<u>L4</u>
<u>L3</u>	(((715/506)!.CCLS.) )	71	<u>L3</u>
<u>L2</u>	((715/501.1)!.CCLS. )	516	<u>L2</u>

*DB=EPAB; PLUR=YES; OP=OR*

<u>L1</u>	desktop near4 publish\$	12	<u>L1</u>
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END OF SEARCH HISTORY

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Terms	Documents
server same computer	68262

**Database:**

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US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Monday, April 28, 2003   [Printable Copy](#)   [Create Case](#)

**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*L14 server same computer68262 L14*DB=USPT; PLUR=YES; OP=OR*L13 5167016.pn.1 L13L12 5058187.pn.1 L12L11 4410916.pn.1 L11L10 5504843.pn.1 L10L9 5557678.pn.1 L9L8 5784461.pn.1 L8*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*L7 L6 and wysiwyg or "what you see is what you get"7 L7L6 L5 and (pre-press or prepress or pre-print or preprint same software)559 L6L5 (internet or www or web)440198 L5L4 L3 and (wysiwyg or "what you see is what you get")3 L4L3 (prepress or preprint) near5 format35 L3L2 "mitchell, winfield".in.4 L2L1 "jecha, steven".in.4 L1

END OF SEARCH HISTORY

**WEST**

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**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 20020059235 A1

L1: Entry 1 of 4

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059235  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020059235 A1

TITLE: ADMINISTRATION AND SEARCH AND REPLACE OF COMPUTERIZED PREPRESS

PUBLICATION-DATE: May 16, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>JECHA, STEVEN</u>	MINNEAPOLIS	MN	US	
MITCHELL, WINFIELD A.	MINNEAPOLIS	MN	US	

US-CL-CURRENT: 707/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20010029514 A1

L1: Entry 2 of 4

File: PGPB

Oct 11, 2001

PGPUB-DOCUMENT-NUMBER: 20010029514  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010029514 A1

TITLE: Computerized prepress

PUBLICATION-DATE: October 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Jecha, Steven</u>	Minneapolis	MN	US	
Mitchell, Winfield A.	Minneapolis	MN	US	

US-CL-CURRENT: 715/526; 358/1.1, 713/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 6247011 B1

L1: Entry 3 of 4

File: USPT

Jun 12, 2001

US-PAT-NO: 6247011  
DOCUMENT-IDENTIFIER: US 6247011 B1

TITLE: Computerized prepress authoring for document creation

DATE-ISSUED: June 12, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jecha; Steven	Minneapolis	MN		
Mitchell; Winfield A.	Minneapolis	MN		

US-CL-CURRENT: 707/9; 707/100, 715/517, 715/530

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc	Image
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☐ 4. Document ID: WO 9928834 A1

L1: Entry 4 of 4

File: EPAB

Jun 10, 1999

PUB-NO: WO009928834A1

DOCUMENT-IDENTIFIER: WO 9928834 A1

TITLE: COMPUTERIZED PREPRESS

PUBN-DATE: June 10, 1999

## INVENTOR-INFORMATION:

NAME	COUNTRY
JECHA, STEVEN	
MITCHELL, WINFIELD A	

INT-CL (IPC): G06 F 17/24; G06 F 17/21EUR-CL (EPC): G06F017/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc	Image
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[Generate Collection](#)[Print](#)**Terms****Documents**

"jecha, steven".in.

4

**Display Format:**

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**WEST**

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L17: Entry 1 of 2

File: USPT

May 19, 1998

US-PAT-NO: 5754184

DOCUMENT-IDENTIFIER: US 5754184 A

TITLE: Digital color system and method which provides a visual match across different input and output viewing conditions

DATE-ISSUED: May 19, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ring; Stuart Frederick	Rochester	NY		
Giorgianni; Edward Joseph	Rochester	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Eastman Kodak Company	Rochester	NY			02

APPL-NO: 08/ 002497 [PALM]

DATE FILED: January 6, 1993

INT-CL: [06] G06 T 11/00

US-CL-ISSUED: 345/431

US-CL-CURRENT: 345/604

FIELD-OF-SEARCH: 395/109, 395/129-133, 395/155, 395/161, 358/164, 358/298, 358/302, 358/443, 358/456, 358/501, 358/505, 358/506, 358/518-521, 358/523, 358/530, 358/531, 358/535, 358/537, 345/154, 345/200, 345/431, 364/526, 364/723, 355/38, 356/421, 382/54, 346/157

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3893166</u>	July 1975	Pugsley	358/523
<input type="checkbox"/>	<u>4037249</u>	July 1977	Pugsley	358/505
<input type="checkbox"/>	<u>4060829</u>	November 1977	Sakamoto	358/523
<input type="checkbox"/>	<u>4346402</u>	August 1982	Pugsley	358/523
<input type="checkbox"/>	<u>4409614</u>	October 1983	Eichler et al.	358/530
<input type="checkbox"/>	<u>4488245</u>	December 1984	Dalke et al.	364/526
<input type="checkbox"/>	<u>4500919</u>	February 1985	Schreiber	358/518
<input type="checkbox"/>	<u>4523852</u>	June 1985	Bauer	356/421
<input type="checkbox"/>	<u>4626901</u>	December 1986	Tanioka	358/535

<input type="checkbox"/>	<u>4679074</u>	July 1987	Sugiura et al.	358/523
<input type="checkbox"/>	<u>4721951</u>	January 1988	Holler	345/154
<input type="checkbox"/>	<u>4751535</u>	June 1988	Myers	346/157
<input type="checkbox"/>	<u>4751569</u>	June 1988	Clinton et al.	358/501
<input type="checkbox"/>	<u>4755810</u>	July 1988	Knierim	345/200
<input type="checkbox"/>	<u>4812902</u>	March 1989	Fuchsberger	358/521
<input type="checkbox"/>	<u>4812903</u>	March 1989	Wagensonner et al.	358/521
<input type="checkbox"/>	<u>4825296</u>	April 1989	Wagensonner et al.	358/443
<input type="checkbox"/>	<u>4829370</u>	May 1989	Mayne et al.	358/537
<input type="checkbox"/>	<u>4837722</u>	June 1989	Sara	364/723
<input type="checkbox"/>	<u>4839721</u>	June 1989	Abdulwahab et al.	358/518
<input type="checkbox"/>	<u>4839722</u>	June 1989	Barry et al.	358/523
<input type="checkbox"/>	<u>4841360</u>	June 1989	Birgmeir	358/521
<input type="checkbox"/>	<u>4875032</u>	October 1989	McManus et al.	345/154
<input type="checkbox"/>	<u>4888636</u>	December 1989	Abe	358/519
<input type="checkbox"/>	<u>4893181</u>	January 1990	Yeomans	358/531
<input type="checkbox"/>	<u>4924323</u>	May 1990	Numakura et al.	358/456
<input type="checkbox"/>	<u>4929978</u>	May 1990	Kanamori et al.	355/38
<input type="checkbox"/>	<u>4941038</u>	July 1990	Walowit	358/518
<input type="checkbox"/>	<u>4945406</u>	July 1990	Cok	358/506
<input type="checkbox"/>	<u>4956718</u>	September 1990	Numakura et al.	358/298
<input type="checkbox"/>	<u>4959790</u>	September 1990	Morgan	395/109
<input type="checkbox"/>	<u>4985853</u>	January 1991	Taylor et al.	358/80 X
<input type="checkbox"/>	<u>4992862</u>	February 1991	Gabor	358/518
<input type="checkbox"/>	<u>5042078</u>	August 1991	Oshikoshi et al.	382/54
<input type="checkbox"/>	<u>5049985</u>	September 1991	Outa	358/530
<input type="checkbox"/>	<u>5057913</u>	October 1991	Nagata et al.	358/302
<input type="checkbox"/>	<u>5060060</u>	October 1991	Udagawa et al.	358/520
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<input type="checkbox"/>	<u>5077605</u>	December 1991	Ikeda et al.	358/521
<input type="checkbox"/>	<u>5146328</u>	September 1992	Yamasaki et al.	358/164
<input type="checkbox"/>	<u>5148288</u>	September 1992	Hannah	358/298
<input type="checkbox"/>	<u>5208911</u>	May 1993	Newman et al.	395/131
<input type="checkbox"/>	<u>5276779</u>	January 1994	Statt	395/109
<input type="checkbox"/>	<u>5293258</u>	March 1994	Dattilo	358/518
<input type="checkbox"/>	<u>5309257</u>	May 1994	Bonino et al.	358/504
<input type="checkbox"/>	<u>5463480</u>	October 1995	MacDonald et al.	358/515 X

## OTHER PUBLICATIONS

Tony Johnson and Ronnier Luo, Optimising Colour Reproduction, May 1991, Paper presented at 21st LARIGAL conference, Pittsburgh.  
U.S. application No. 07/678,485, filed Apr. 1, 1991, David J. Statt.



White-Point Transformation and Color Data Interchange, R.R. Buckley, P.G. Roetling, Xerox Webster Research Center, Webster, NY, SID 92 Digest, 1992, pp. 560-563.  
White-Point Transforms for Device-Independent Color Imaging, R.J. Motta, Hewlett-Packard Laboratories, Palo-Alto, CA, SID 92 Digest, 1992, pp. 555-559.  
Color WYSIWYG: A Combination of Device Colorimetric Characterization and Appearance Modeling, R.S. Berns, Rochester Institute of Technology, Rochester, NY, SID 92 Digest, 1992, pp. 549-552.  
Invited Address: Color Gamuts and the Ideal Printer, G.K. Starkweather, Apple Computer, Inc., Cupertino, CA, SID 92 Digest, 1992, pp. 564-567.  
LeRoy E. DeMarsh and Edward J. Giorgianni, Color Science For Imaging Systems, pp. 44-52, Sep. 1989, Physics Today, New York, NY.  
U.S. application No. 07/455,541, filed Dec. 22, 1989, Giorgianni et al.

ART-UNIT: 272

PRIMARY-EXAMINER: Jankus; Almis R.

ATTY-AGENT-FIRM: Watkins; Peyton C.

ABSTRACT:

A color management system that converts or transforms color signals between device dependent color spaces and a device-independent space using reference image viewing conditions for the device-independent space. A device transform converts input color signals of an input image in an input space into device-independent color signals and a visual adaption transform converts the device-independent input color signals into device-independent signals that take into account the input viewing conditions, the reference viewing conditions and adaption characteristics of the human visual system to the standard viewing conditions. This provides intermediate signals which represent device independent corresponding colorimetric values that would be required to visually match the appearance of the input image, as seen in its input viewing conditions under the defined reference viewing conditions of the device independent space. The intermediate signals can then be transformed into output color signals for output, taking into account the reference and output viewing conditions, and the particular color reproduction and gamut capabilities of the output device. The color signals can then be converted into renderable output signals and rendered on the output device. A preview output image for a preview display device can be produced after taking into account the output device characteristics and viewing environment. Transforms for intent and editing, such as sharpening the image or cutting and pasting, can be performed in the intermediate device-independent space and previewed before rendering by the output device.

7 Claims, 8 Drawing figures

**WEST**

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**Search Results - Record(s) 1 through 2 of 2 returned.**☐ 1. Document ID: US 5754184 A

L17: Entry 1 of 2

File: USPT

May 19, 1998

US-PAT-NO: 5754184

DOCUMENT-IDENTIFIER: US 5754184 A

TITLE: Digital color system and method which provides a visual match across different input and output viewing conditions

DATE-ISSUED: May 19, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ring; Stuart Frederick	Rochester	NY		
Giorgianni; Edward Joseph	Rochester	NY		

US-CL-CURRENT: 345/604

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 5029107 A

L17: Entry 2 of 2

File: USPT

Jul 2, 1991

US-PAT-NO: 5029107

DOCUMENT-IDENTIFIER: US 5029107 A

TITLE: Apparatus and accompanying method for converting a bit mapped monochromatic image to a grey scale image using table look up operations

DATE-ISSUED: July 2, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Jack C.	Yorktown Heights	NY		

US-CL-CURRENT: 345/698; 345/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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112 and 116

**Documents**

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L16: Entry 13 of 14

File: USPT

Oct 26, 1993

US-PAT-NO: 5257097

DOCUMENT-IDENTIFIER: US 5257097 A

TITLE: Method and apparatus for selective interception of a graphics rendering operation for effecting image data modification

DATE-ISSUED: October 26, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pineau; Richard A.	North Andover	MA		
Rodgers; Timothy K.	Concord	MA		
Allen; Mitchell S.	Billerica	MA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Eastman Kodak Company	Rochester	NY			02

APPL-NO: 07/ 767282 [PALM]  
DATE FILED: September 27, 1991

INT-CL: [05] H04N 1/46

US-CL-ISSUED: 358/500; 358/527  
US-CL-CURRENT: 358/500; 358/527

FIELD-OF-SEARCH: 358/75-80

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

☐ **Search Selected** **Search ALL**

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<input type="checkbox"/>	<u>4542453</u>	September 1985	Patrick et al.	364/200
<input type="checkbox"/>	<u>4958220</u>	September 1990	Alessi et al.	358/76
<input type="checkbox"/>	<u>4979032</u>	December 1990	Alessi et al.	358/80
<input type="checkbox"/>	<u>4992861</u>	February 1991	D'Errico	358/75
<input type="checkbox"/>	<u>5113249</u>	May 1992	Yosefi	358/80
<input type="checkbox"/>	<u>5140413</u>	August 1992	Suzuki et al.	358/80

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0223383	May 1987	EP	
0448250	September 1991	EP	
2213674	August 1989	GB	

## OTHER PUBLICATIONS

Newman, G. H. et al., U.S. Ser. No. 385,242, "A System For Performing Linear Interpolation".

Newman, G. H. et al., U.S. Ser. No. 07/590,375, "Color Image Processing System For Preparing A Composite Image Transformation Module For Performing A Plurality of Selected Image Transformations".

Newman, G. H. et al., PCT International Application No. PCT/US90/04162 published Feb. 7, 1991, "A System For Performing Linear Interpolation".

"The Latest Word," The Seybold Report on Desktop Publishing, Jun. 17, 1991, pp. 38-39.

Spencer, C. E. "Fast Color," Macworld Jan. 1991, pp. 136-143.

"Macintosh System Software 32-Bit QuickDraw", Preliminary Developer Note, Apple Computer, Apr. 28, 1989.

Tait, D., "TekColor Offers True Screen-to-Printer Color Fidelity" Computer Pictures, Feb./Mar. 1990, pp. 39-41.

Littman, D. et al., "It's a Color Calibrator and a Floor Wax," Macworld, Jul. 1991, p. 153.

Mattison, P., "Build A Speedy Low-Cost Graphics Accelerator In Hardware", Electronic Design, May 9, 1991, pp. 101-109.

Proceedings of the Sixth International Congress in Advances in Non Impact Printing Technologies, 21 Oct. 1990, Orlando, Fla., pp. 837-843.

T. Yamasaki, "Optimum Color Space for Color Data Exchange and Its Mutual Transformation to Other Color Spaces".

Computer and Graphics, vol. 10, No. 4, 1986, Great Britain, pp. 371-377, N. Morovac, "Architecture of Application-Oriented Systems Using Interactive Computer Graphics".

Information Display, vol. 7, No. 4 & 5, Apr. 1991, pp. 20-2049 J. Taylor et al, "Device-Independent Color Matching You Can Buy Now".

ART-UNIT: 262

PRIMARY-EXAMINER: Brinich; Stephen

ATTY-AGENT-FIRM: Dudley; Mark Z.

## ABSTRACT:

Imaging system whereby color image data intended for reproduction on an image reproduction means may be provided to a functional engine for modification according to one or more functional transforms. Color management may be applied to the data before output to the selected image reproduction device, so as to achieve WYSIWYG color matching of the image data with respect to the color fidelity limitations or other characteristics of the intended image reproduction device.

13 Claims, 8 Drawing figures

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: US 20010029514 A1

L19: Entry 1 of 3

File: PGPB

Oct 11, 2001

PGPUB-DOCUMENT-NUMBER: 20010029514  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010029514 A1

TITLE: Computerized prepress

PUBLICATION-DATE: October 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jecha, Steven	Minneapolis	MN	US	
Mitchell, Winfield A.	Minneapolis	MN	US	

US-CL-CURRENT: 715/526; 358/1.1, 713/200[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 6247011 B1

L19: Entry 2 of 3

File: USPT

Jun 12, 2001

US-PAT-NO: 6247011  
DOCUMENT-IDENTIFIER: US 6247011 B1

TITLE: Computerized prepress authoring for document creation

DATE-ISSUED: June 12, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jecha, Steven	Minneapolis	MN		
Mitchell, Winfield A.	Minneapolis	MN		

US-CL-CURRENT: 707/9; 707/100, 715/517, 715/530[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 3. Document ID: US 5617528 A

L19: Entry 3 of 3

File: USPT

Apr 1, 1997

US-PAT-NO: 5617528  
DOCUMENT-IDENTIFIER: US 5617528 A

TITLE: Method and apparatus for interactively creating a card which includes video

and cardholder information

DATE-ISSUED: April 1, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stechmann; Jonathan H.	Minneapolis	MN		
Powell; Joel T.	Delano	MN		
Nyflot; Loren	Richfield	MN		

US-CL-CURRENT: 715/517; 358/540

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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16 and 116	3

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**WEST**

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L21: Entry 28 of 30

File: USPT

Mar 16, 1999

US-PAT-NO: 5884014

DOCUMENT-IDENTIFIER: US 5884014 A

TITLE: Fontless structured document image representations for efficient rendering

DATE-ISSUED: March 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huttenlocher; Daniel P.	Ithaca	NY		
Rucklidge; William J.	Mountain View	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 652864 [PALM]

DATE FILED: May 23, 1996

INT-CL: [06] G06 K 15/02

US-CL-ISSUED: 395/114; 395/102

US-CL-CURRENT: 358/1.15; 358/1.2

FIELD-OF-SEARCH: 395/101, 395/117, 395/102, 395/112, 395/114, 395/113, 395/115, 395/116, 382/243, 382/232, 382/239, 345/202, 345/203, 345/433, 358/467, 358/426, 358/433, 358/432, 358/462

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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Search ALL

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<input type="checkbox"/>	<u>4499499</u>	February 1985	Brickman et al.	358/263
<input type="checkbox"/>	<u>4566128</u>	January 1986	Araki	382/56
<input type="checkbox"/>	<u>4703516</u>	October 1987	Fukuda	382/56
<input type="checkbox"/>	<u>4769716</u>	September 1988	Casey et al.	358/263
<input type="checkbox"/>	<u>5058187</u>	October 1991	Kim	382/56
<input type="checkbox"/>	<u>5303313</u>	April 1994	Mark et al.	382/56
<input type="checkbox"/>	<u>5305433</u>	April 1994	Ohno	395/150
<input type="checkbox"/>	<u>5504843</u>	April 1996	Catapano et al.	395/115

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K. Mohiuddin, J. Rissanen and R. Arps, "Lossless Binary Image Compression Based on Pattern Matching", International Conference on Computers, Systems and Signal Processing, Bangalore, India, Dec. 9-12, 1984, pp. 447-451.

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K. Mohiuddin, J. Rissanen and R. Arps, "Lossless Binary Image Compression Based on Pattern Matching", International Conference on Computers, Systems, and Signal Processing, Bangalore, India, Dec. 9-12, 1984, pp. 447-451.

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M. Atallah, Y. Genin, and W. Szpankowski, "Pattern Matching Image Compression," Proceedings DCC'96 Data Compression Conference (IEEE), Snowbird, Utah, Mar. 31-Apr. 3, 1996, p. 421.

ART-UNIT: 272

PRIMARY-EXAMINER: Evans; Arthur G.

#### ABSTRACT:

A processor is provided with a first set of digital information that includes a first, resolution-independent structured representation of a document. This first representation is one from which various image collections (e.g., sets of page images) can be obtained, each such image in each such collection having a characteristic resolution. From the first set of digital information, the processor produces a second set of digital information that includes a second, resolution-dependent structured representation of the document. The second structured representation is a lossless representation of a particular one of the image collections obtainable from the first structured representation, and it includes a set of tokens and a set of positions. The second set of digital information is produced by extracting the tokens from the first structured representation, and by determining the positions from the first structured representation. Each extracted token includes pixel data representing a subimage of the particular image collection. Each position is a position of a token subimage in the particular image collection. At least one of the token subimages contains



multiple pixels and occurs at more than one position in the image collection. The second set of digital information thus produced can be made available for further use (e.g., distribution, transmission, storage, subsequent reversion into page images). Applications of the invention include high-speed printing and Internet (World Wide Web) document display.

29 Claims, 24 Drawing figures

**WEST**

Generate Collection

Print

L20: Entry 55 of 104

File: USPT

May 16, 2000

US-PAT-NO: 6064397

DOCUMENT-IDENTIFIER: US 6064397 A

TITLE: Method for creating multiple documents having identical background regions and page specific image regions

DATE-ISSUED: May 16, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Herregods; Marc	Hever			BE
Tjantele; Dirk	Putte			BE

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Agfa Gevaert N.V.	Mortsel			BE	03

APPL-NO: 08/ 525054 [PALM]

DATE FILED: September 8, 1995

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
EP	94202642	September 13, 1994

INT-CL: [07] G06 T 11/00

US-CL-ISSUED: 345/435; 707/507, 707/520

US-CL-CURRENT: 345/630; 345/629, 715/507, 715/520

FIELD-OF-SEARCH: 395/782, 395/779, 395/784-787, 395/792, 395/106, 395/182.03, 382/305, 345/123, 345/433, 345/435, 358/296, 707/506-508, 707/517, 707/520

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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<input type="checkbox"/>	<u>5025396</u>	June 1991	Parks et al.	707/506

ART-UNIT: 272

PRIMARY-EXAMINER: Jankus; Almis R.

ATTY-AGENT-FIRM: Kelley; Edward L.

## ABSTRACT:

In desk top publishing or professional printing, the need exists to print a set of documents which have a generally identical background image and differ from each other by a small area, a page specific image region. A method is described to locate each page specific image region in a background image page layout. A master file stores this background image information along with positional parameters and a file reference to the page specific image region data. The page specific data are stored in one or more data files, generated by a database application program. The master file and page specific file are combined such that the background image is transformed to a bitmap only once, and the page specific data variously modify this bitmap to represent each individual page.

29 Claims, 9 Drawing figures



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- ☐ 4. [High-end graphic printers go in-house](#); *Paolo Del Nibletto*; **Computer Dealer News**, Willowdale; Oct 5, 2001; Vol. 17, Iss. 20; pg. 30, 1 pgs
- ☐ 5. [What's hot](#); *Anonymous*; **Macworld**, San Francisco; Sep 2001; Vol. 18, Iss. 9; pg. 25, 1 pgs
- ☐ 6. [Applications watch](#); *Anonymous*; **Converting Magazine**, Newton; Jul 2001; Vol. 19, Iss. 7; pg. 16, 1 pgs
- ☐ 7. [Magazine publishing in China](#); *Zhang Bohai*; **Publishing Research Quarterly**, New Brunswick; Summer 2001; Vol. 17, Iss. 2; pg. 38, 5 pgs
- ☐ 8. [THE STATESMAN \(INDIA\)](#); *Wordsmiths Inc.*; **The Statesman**, New Delhi; Feb 12, 2001; pg. 1
- ☐ 9. [POTTERY CENTER DIRECTOR QUILTS RAY OWEN SAYS WORKLOAD TOO HEAVY](#); *[RANDOLPH Edition]*; *ANNETTE BARR Staff Writer*; **Greensboro News Record**, Greensboro, N.C.; Sep 15, 2000; pg. B.1
- ☐ 10. [The Wall Street Transcript Publishes Money Manager Comments on Creo Products](#); *Business Editors NOTE: This money manager interview is presented with the aforementioned company's full knowledge and permission.*; **Business Wire**, New York; Aug 30, 2000; pg. 1

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**1993 , Waterloo, Ontario, Canada**

### An on-line communication print service for the demanding client

Authors

Carla House

Dennis Quon

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## IT TAKES A LOT OF STREET SMARTS TO PERFORM ON MAIN STREET

*Morning Call*; Allentown; Aug 6, 1995; GEOFF GEHMAN, The Morning Call;

**Sub Title:** [THIRD Edition]

**Start Page:** F.01

**Abstract:**

*Chalk up more tinkering for a family of tinkerers. As the Stortzes and their fellow Musikfest street performers know, the key to being successful outdoors, especially with a constantly changing crowd on Bethlehem's congested Main Street, comes down to three factors. Adjustment. Adjustment. And, when in doubt, adjustment.*

*Musikfest spectators will see the debut of "The Wiz Kote" -- hopefully, with a heartier burst of smoke -- but they won't see Jeff Stortz produce a candle from a silk handkerchief. As the AT&T technical staffer points out, the flame might be snuffed out by the wind. That means the Stortzes won't get a laugh when, after the candle is extinguished repeatedly, Bonnie [Stortz] saves the day by handing out an industrial-strength patio torch.*

*Other adjustments are designed to protect the Musikfest rookies' integrity and, by extension, the sanctity of the trade. Because the Stortzes will be surrounded by spectators on Main Street, they'll try to keep their tricks secret by keeping the sight lines, well, tricky. Because their audience can shift with the wind, from mostly children to largely adults, the family will have twice as many tricks as they need, just in case.*

**Full Text:**

*Copyright Morning Call Aug 6, 1995*

Jeff and Shelley Stortz are demonstrating "The Wiz Kote," a device they swear makes old shoes new. Unfortunately for the budding entrepreneurs, the smoky box flaps open to reveal not a clean sneaker, not even the old smelly model, but something closer to a charred roast.

After tossing out what seems to be a closetful of wrong footwear -- slipper, Earth shoe, etc. -- the father and daughter manage to produce the original sneaker out of thin air. It's pretty clear, though, their new trick is not quite ready for a patent or an audience.

For one thing, says Bonnie Stortz -- wife, mother, producer and, for the purpose of a photo shoot, stunned sneaker donor -- the smoke needs to be dramatic, or else it won't be seen by the entire crowd.

Chalk up more tinkering for a family of tinkerers. As the Stortzes and their fellow Musikfest street performers know, the key to being successful outdoors, especially with a constantly changing crowd on Bethlehem's congested Main Street, comes down to three factors. Adjustment. Adjustment. And, when in doubt, adjustment.

The Family That Tricks Together ...

Musikfest spectators will see the debut of "The Wiz Kote" -- hopefully, with a heartier burst of smoke -- but they

won't see Jeff Stortz produce a candle from a silk handkerchief. As the AT&T technical staffer points out, the flame might be snuffed out by the wind. That means the Stortzes won't get a laugh when, after the candle is extinguished repeatedly, Bonnie saves the day by handing out an industrial-strength patio torch.

Other adjustments are designed to protect the Musikfest rookies' integrity and, by extension, the sanctity of the trade. Because the Stortzes will be surrounded by spectators on Main Street, they'll try to keep their tricks secret by keeping the sight lines, well, tricky. Because their audience can shift with the wind, from mostly children to largely adults, the family will have twice as many tricks as they need, just in case.

Five years of working together, at venues like corporate parties and "First Night," have made the Bethlehem trio quick on their hands. The Stortzes have withdrawn fire routines to avoid setting off alarms and scaring senior citizens to death. They've told strangely silent children to act up after teachers have told them to quiet down. To stop youngsters from choking the stage area, they've marked boundaries with duct tape and substituted feathers for superballs.

The Stortzes wouldn't be magicians if their magic worked all the time. The feathers, for example, failed to repel the avalanche of kids desperate for a souvenir. Jeff admits he's burst balloons by trying to thread them with a needle; one time he accidentally lit his thumb. In one inspired performance, he knocked over the trick table and then knocked over the backdrop, exposing Bonnie. Luckily for him, the spectators were co-workers who howled with glee.

Running interference, keeping things hopping, allowing 13-year-old Shelley and Jeff to open the show by doing 15 tricks in six minutes, is Bonnie's responsibility. In fact, the AT&T marketer does everything except join the action. She has a very good reason for staying behind the scenes. For, just as some people spoil jokes by telegraphing the punch line, Bonnie finds it genetically impossible to do a trick without revealing its secret.

Shelley and Jeff really don't mind her deficiency. In fact, they find it pretty funny, but, then, they trade good-natured insults as quickly as they exchange props. Besides, they know Bonnie is an alert producer and, just as important, an ideal spectator. As Shelley points out, her mother claps when no one else does.

### Teaching Magic by Teaching

Gary Maurer became a magician to teach leadership development to student councils. He still uses tricks to motivate conventions of secondary-school principals. Naturally, his regular act has a kind of teacherly diplomacy.

One of Maurer's missions is to prove that three-card monte is an impossible hustle. "Even knowing how the trick is done, it's extraordinarily hard to follow and it's too easy to be a fool," claims the Allentonian, who teaches **prepress printing** and other visual communications at Lehigh County Vocational-Technical School. "So I know better not to try it."

Street performing breeds hecklers like weeds, and Maurer has an arsenal of polite but disarming responses. If spectators demand that he watch their card trick, he'll say something like: "Well, gee whiz, Musikfest is paying me, so I should be the one performing." Asked persistently, "How did you do that trick?," he'll respond: "Well, can you keep a secret?" Answered affirmatively, he'll retort: "Well, so can I."

Back for a seventh turn on Main Street, Maurer finds Musikfest's geography particularly challenging. On one hand, he has to contend with smart-aleck kids who dare him to top an act they've just seen a hundred yards away. On the other hand, it's easy for him to spy on, and play off, colleagues. He's been known to sidle up to his pal, Clarence the Clown, and insist that clowns aren't magicians. Then Clarence will prove him wrong. Then Maurer will try to beat him.

What was Maurer's scariest moment on the street? When a man turned pale as he watched the magician fold his \$100 bill into a \$1 bill, without the benefit of sleeves. "I looked at his face and I said, 'Boy, I better change this back quick before this guy drops over.'"

How about Maurer's funniest episode? That would be the time he chaperoned a cluster of kids told by a parent to tag along with the magician. The youngsters hung out with him for a good three hours, switching sites, memorizing a dozen tricks. "They knew my punch lines before I could even get them out," he recalls. "I didn't make them part of the act, but I did teach them not to reveal the surprises."

### The Wind Is a Fickle Mistress

If you think the street is hard on magicians, consider the compromises made by the Gloriana Early Music Consort, a Renaissance wind septet appearing for a fourth Musikfest.

According to member Suzanne Tallman, the Schuylkill County musicians use recorders from roughly the same family, the better to counter the tricks climate plays on pitch. There's nothing much they can do, however, when a gusty wind makes them feel as if they're producing nothing but air. Because a harpsichord is fiendishly hard to tune outdoors, they rely on an electric keyboard with a harpsichord stop, hidden in a decorative box. But even a Yamaha is no good in the rain.

Like the magicians, the musicians come prepared for anything. To be heard above Main Street's din, they play relatively noisy instruments like the krumhorn and herald trumpet bells. When last year's torrential rain moved them from their spot by Central Moravian Church, they sought refuge under the archway of Moravian College's south campus. Tallman says a decent portion of listeners accompanied them.

Gloriana's Musikfest audience is both more disloyal and loyal than those of Maurer and the Stortzes. Listeners with short attention spans leave after hearing a handful of the consort's minute-or-less tunes; Maurer and the Stortzes maintain more constant crowds with shows lasting six and 20 minutes, respectively. The magicians, of course, lack the Gloriana's exotic instruments, which keep listeners hanging around, asking questions, long after a half-hour set of material from a single country. And their stages don't double as a shady, relatively quiet retreat.

Nevertheless, Tallman prefers playing indoors -- for weddings, women's groups and an annual Christmas madrigal dinner. After all, it's easier to compete with wassail toasts and a court jester than Mother Nature and Father Fate.

**[Illustration]**

PHOTO by DAN DeLONG, The Morning Call CAPTION: (From left) Bonnie, Shelley and Jeff Stortz hope to premiere 'The Wiz Kote,' a new magic trick, during performances on Main Street.

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**WEST**

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L3: Entry 1 of 2

File: EPAB

Dec 27, 1995

PUB-NO: EP000689157A2

DOCUMENT-IDENTIFIER: EP 689157 A2

TITLE: Apparatus for printing digital image data

PUBN-DATE: December 27, 1995

## INVENTOR-INFORMATION:

NAME

COLLARD, RENE FRANCOIS ALBERT

TEEUWEN, PETER JOHANNES HENDRIK

COUNTRY

NL

NL

## ASSIGNEE-INFORMATION:

NAME

OCE NEDERLAND BV

COUNTRY

NL

APPL-NO: EP94203730

APPL-DATE: December 22, 1994


PRIORITY-DATA: NL09400918A (June 7, 1994)

INT-CL (IPC): G06 K 15/00

EUR-CL (EPC): G06K015/00; H04N001/00

## ABSTRACT:

CHG DATE=19990617 STATUS=O> A printer for digital image information, wherein supplied data files containing image data for printing, are stored in a memory and are not printed until an operator has given a print command by means of a key on the control panel. The data files in the memory are listed on a display in the control panel for an operator to select one for printing before he gives the print command. Also, before giving this command, the operator can optionally adjust the printer settings in order thus to obtain a print of the required appearance. The printer can also be provided with a scanner for scanning documents and then act as a copying machine. In that case, printing and copying become essentially similar functions

with identical operation. 

**WEST**

Generate Collection

Print

L2: Entry 1 of 2

File: EPAB

Sep 27, 1995

PUB-NO: EP000674277A2

DOCUMENT-IDENTIFIER: EP 674277 A2

TITLE: Method of trapping graphical objects in a desktop publishing program.

PUBN-DATE: September 27, 1995

## INVENTOR-INFORMATION:

NAME

GARTLAND, RICHARD A

COUNTRY

US

## ASSIGNEE-INFORMATION:

NAME

ADOBE SYSTEMS INC

COUNTRY

US

APPL-NO: EP95301898

APPL-DATE: March 22, 1995

PRIORITY-DATA: US21672994A (March 23, 1994)

INT-CL (IPC): G06 F 17/21

EUR-CL (EPC): G06F017/21

## ABSTRACT:

CHG DATE=19990617 STATUS=O> Disclosed is a method of trapping a publication specified in a PostScript page description language (PDL) or other PDL file by

modifying the publication prolog to create traps within an interpreter or RIP.